VPN (Virtual Private Network) at the Free University of Bolzano/Bozen

Infos regarding the usage of VPN

http://www.unibz.it/en/ict/ComputerInternet/network/vpn/default.html

Instructions for Windows 2000, XP, VISTA and 7 - 32bit and 64bit

http://www.unibz.it/en/ict/ComputerInternet/network/vpn/InstallationWindows.html

Instructions for MacOS X 10.4

http://www.unibz.it/en/ict/ComputerInternet/network/vpn/InstallationMacOSX.html

Instructions for MacOS X 10.6

There is no need to install a Client, simply download and install (doubleclick) the following file:

unibz.networkconnect.zip

Instructions for Linux vpnc Client (recommended)

1. Install vpnc

```
sudo aptitude install vpnc
```

2. Create configuration file unibz.conf. Download from here: unibz.conf

IPSec obfuscated secret needs to be on a single line.
Replace <your-windows-login> with your username.

```
sudo vi /etc/vpnc/unibz.conf
```

```
#####################################
IPSec gateway vpn.unibz.it
IPSec ID Unibz
IPSec obfuscated secret
06294C134E0BEBDA4B449B56BFD305D35D12DABF4044EDB6794926C2CA6D5AEDFE6342DF190E
566EB11215DDC1591D5CB6ABEBEB593693C6D0B2077D78034B6AFEEA3221E77F4
```

```
C9858DD711AA8DE58F6
Xauth username <your-windows-login>
#######################################
```

apply this rights:

```
sudo chmod 600 /etc/vpnc/unibz.conf

sudo chown root.root /etc/vpnc/unibz.conf

sudo ls -l /etc/vpnc/unibz.conf
-rw------- 1 root root 250 2009-05-02 15:54 /etc/vpnc/unibz.conf
```

3. Start vpnc

```
sudo vpnc-connect --domain unibz unibz
```

This will first ask for your sudo password and then your <unibz-password>

4. Stop vpnc

```
sudo vpnc-disconnect
```

Possible errors

If you get the following error: **vpnc-connect: no response from target**
try adding the line below to your configuration file (unibz.conf)

NAT Traversal Mode cisco-udp

When one attempts to connect to their VPN after installing and configuring vpnc on Ubuntu Oneiric, the following error occurs:

```
root@ubuntu:~# vpnc-connect
Error: either "to" is duplicate, or "ipid" is a garbage.
```

It appears that the Ubuntu package vpnc comes with an old version of vpnc-script.
This script is what sets up all the addresses and routes for you. The OpenConnect project
provides an updated / revised release of this script. Download the latest copy from here.
Replace the vpnc-script script that comes with the Ubuntu vpnc package: /etc/vpnc/vpnc-script

Decode Group Password

cisco vpnclient password decoder

Instructions for Linux Cisco AnyConnect Client

Installation

1. Open with your browser (tested with firefox 11.0) the following URL:

https://vpn.scientificnet.org

2. Enter your Username and password, then press **Login**

3. A "Warning - Security" Windows opens: This will install the Cisco AnyConnect Client in /opt/cisco of your Platform.

4. Press **Run** on the "Warning - Security" Window

5. In order to install Cisco AnyConnect, Admin (sudo) rights are required; a Window opens, enter your local password.

6. The Cisco AnyConnect is installed and running, you can close the URL.

Launching Cisco AnyConnect GUI

This allows you to connect and disconnect the VPN service.

```
/opt/cisco/anyconnect/bin/vpnui
```

Please note the vpnagentd must be running for this

- ps auxww | grep vpn

```
root       1759  0.0  0.3  17984  7644 ?          S    12:58    0:00
/opt/cisco/anyconnect/bin/vpnagentd
```

Launching Cisco AnyConnect NON-GUI

This allows you to connect and disconnect the VPN service.

- /opt/cisco/anyconnect/bin/vpn

```
Cisco AnyConnect Secure Mobility Client (version 3.0.5080) .

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```

```
  >> state: Disconnected
  >> state: Disconnected
  >> notice: Ready to connect.
  >> registered with local VPN subsystem.
VPN> connect vpn.unibz.it
connect vpn.unibz.it
  >> contacting host (vpn.unibz.it) for login information...
  >> notice: Contacting vpn.unibz.it.
VPN>
  >> Please enter your username and password.
    0) clientless
    1) scientificnetwork
Group: [clientless]

Username: <your-username>
Password:
  >> state: Connecting
  >> notice: Establishing VPN session...
  >> notice: Checking for profile updates...
  >> notice: Checking for product updates...
  >> notice: Checking for customization updates...
  >> notice: Performing any required updates...
  >> state: Connecting
  >> notice: Establishing VPN session...
  >> notice: Establishing VPN - Initiating connection...
  >> notice: Establishing VPN - Examining system...
  >> notice: Establishing VPN - Activating VPN adapter...
  >> notice: Establishing VPN - Configuring system...
  >> notice: Establishing VPN...
  >> state: Connected
  >> notice: Connected to vpn.unibz.it.
VPN>exit
```

Uninstalling the AnyConnect Client

The client comes with an uninstallation script

  • sudo /opt/cisco/vpn/bin/vpn_uninstall.sh

However it doesn't actually uninstall everything properly, it removes files but leaves behind
directories.
You can clean up what it leaves behind by deleting the directory /opt/cisco/ and /opt/.cisco/

  • sudo rm -r /opt/cisco /opt/.cisco

Per-user configuration is stored in your home directory in a file called .anyconnect

Shrew Soft VPN Client Instructions for 32 or 64 bit version of Windows 2000, XP, Vista and 7 (recommened)

1. Go to http://www.shrew.net/home and download latest stable release of Shrew Soft VPN Client for Windows: http://www.shrew.net/download/vpn

2. Download unibz profile (need to login with unibz login&password) https://pro.unibz.it/vpn/profiles/unibz/Free%20University%20of%20Bozen-Bolzano.zip

3. Install Shrew Soft VPN Client for Windows

4. Start Shrew Soft VPN Client, unzip unibz profile and Import in VPN client